

Interferon inducers contg. extract from kamishoyosan - used as remedy to prevent and treat viral disease and cancer

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Abstract:

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Interferon (IFN) inducers contain the extract of kamishoyosan (a pharmaceutical natural product) as effective component. Kamishoyosan is pref. composed of Angelicae Raix (3.0), Paeoniae Radix (3.0), Atractylodes Rhizoma (3.0), Hoelen (3.0), Bulpleuri Radix (3.0), Moutan Cortex (2.0), Gardeniae Fructus (2.0), Glycyrrhizae Radix (1.5-2.0), Zingiberis Rhizoma (0.5-2.0), and Menthae Folium (1.0) (ratio in wt.). IC50 were 34 IU/ml (in vitro) and 120 +39 IU/ml (in vivo, i.p.) in tests using mouse L929 cell by 50% cell degeneration inhibition method. In contrast, the corresponding IC50 of shosaikoto were 29 IU/ml and 65 + 21 IU/ml, resp..

USE/ADVANTAGE - The extract possesses excellent IFN inducing activity and is useful as a remedy with safety in prevention and treatment of viral disease and cancer. The activity of kamishoyosan extn. is more potent than that of shosaikoto. The IFN induction is not based on its direct action, but is based on the endogenous mechanism because the existence of rabbit anti-mouse IFN-alpha/beta antibody in the assay sample neutralises the activity.

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